



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	: Stan V. Lyons	
Appln. No.	: 09/685,779	
Filed	: October 10, 2000	Group Art Unit: 2881
Title	: IRRADIATION SYSTEM AND METHOD	Examiner: J. Smith
Docket No.	: M881.12-0001	

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

SENT VIA EXPRESS MAIL

March 4, 2003

Express Mail No.: EV 254754985 US

Sir:

This is in response to the Office Action mailed on December 23, 2002. Please amend the above-identified application as follows:

IN THE CLAIMS

Please amend claims 1, 5, 9, 11 and 12 (marked up version attached in Appendix), and add new claims 16 and 17, such that pending claims 1-17 are as follows:

1. (Amended) An irradiation system comprising:

- a radiation source for providing a radiation beam having a controlled beam current;
- a current sensor coupled to the radiation source for measuring the beam current provided by the radiation source;
- a product location system for providing product so that the radiation beam impinges on the product;
- a sensor system for measuring an intensity of the radiation beam that passes through the product; and
- a control system for calculating an intensity of the radiation beam provided by the radiation source based on the measured beam current, and for adjusting a

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